

## Claims

1. The use of a lupeol-rich extract for the  
5 production of a pharmaceutical or cosmetic  
composition for treating or preventing connective  
tissue degeneration in the dermis and/or the  
cartilage, in particular the articular cartilage,  
and/or the gingival connective tissue, related to  
10 a collagen, in particular collagen type I, II,  
III, IV or V, production anomaly.
2. The use as claimed in claim 1, for activating the  
15 synthesis of heat shock proteins, in particular of  
HSP47.
3. The use as claimed in either one of the preceding  
claims, characterized in that the pharmaceutical  
20 composition is for treating and/or preventing  
articular pathologies such as arthrosis, or  
periodontal diseases such as gingivitis or  
periodontitis, for treating stretch marks or for  
preventing their appearance.
- 25 4. The use, as claimed in either one of claims 1 and  
2, of the cosmetic composition as a cicatrizing  
agent, a restructuring agent and an anti-sagging  
agent for the skin and/or the mucous membranes.
- 30 5. The use as claimed in claim 4, characterized in  
that the cosmetic composition allows the  
connective tissues to withstand shock(s) under a  
physical stress, such as a weight gain, excess  
weight, or a distension of said tissues in  
35 particular in the context of a pregnancy, or  
irradiation, in particular ultraviolet  
irradiation.

6. The use as claimed in claim 4 or 5, for preventing and/or delaying skin aging, and/or for preventing and/or treating stretch marks or their appearance.
- 5 7. The use as claimed in any one of claims 4 to 6, characterized in that the cosmetic composition is intended for pregnant women.
8. The use, as claimed in claim 4, of the composition  
10 as a mouthwash or toothpaste.
9. The use as claimed in any one of claims 4 to 8, characterized in that the cosmetic composition is for topical application.
- 15 10. The use as claimed in any one of claims 4 to 9, characterized in that the cosmetic composition comprises between 0.001 and 10% by weight of lupeol-rich extract.
- 20 11. The use as claimed in any one of the preceding claims, characterized in that the extract has a lupeol content of greater than 30% by weight, preferably greater than 50% by weight.
- 25 12. The use as claimed in claim 11, characterized in that the extract has a lupeol content of between 70 and 100% by weight.
- 30 13. The use as claimed in any one of the preceding claims, characterized in that the lupeol is obtained from pods of lupinus albus, preferably lupinus albus variety Arès carrying the pauper gene.